

| Ref # | Hits | Search Query                                           | DBs                                         | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------------------------------------------------|---------------------------------------------|------------------|---------|------------------|
| L1    | 2146 | (charged adj particle adj beam) and substrate          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 10:54 |
| L2    | 1825 | 1 and surface                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:01 |
| L3    | 151  | 2 and ((charged adj particle adj beam) near4 emitt\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 10:55 |
| L4    | 101  | 3 and detector                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:13 |
| L5    | 0    | 4 and (spiral adj motion)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:01 |
| L6    | 0    | 3 and (spiral adj motion)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:02 |
| L7    | 1825 | 2 and surface                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:01 |
| L8    | 1    | 2 and (spiral adj motion)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:08 |
| L9    | 5    | 2 and (spiral adj path)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:25 |
| L10   | 101  | 4 and substrate                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:15 |
| L11   | 1    | 10 and (multiple adj detector)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:16 |
| L12   | 1    | 3 and (multiple adj detector)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2004/12/01 11:16 |

|     |    |                                      |                                             |    |     |                  |
|-----|----|--------------------------------------|---------------------------------------------|----|-----|------------------|
| L13 | 97 | 10 and stage                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2004/12/01 11:17 |
| L14 | 5  | 13 and (surface adj charge)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | OFF | 2004/12/01 11:25 |
| L15 | 0  | 14 and (spiral adj (path or motion)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2004/12/01 11:25 |